

Converting Colors

$Y_{xy}(23.3054, 0.2997, 0.3760)$

Have a look what the booklet for
Yxy(23.3054, 0.2997, 0.3760)
contains.

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Color

Yxy(23.3749, 0.3001, 0.3767)

Conversions

Conversions Part 1

Format	Color
Hex	6A8D74
RGB	106, 141, 116
RGB Percent	42%, 55%, 45%
CMY	0.5843, 0.4471, 0.5451
CMYK	0.25, 0.00, 0.18, 0.45
HSL	137°, 14%, 48%
HSV	137°, 25%, 55%
XYZ	18.6217, 23.3749, 20.0551
YIQ	127.6850, -12.8350, -15.1950

Conversions

Conversions Part 2

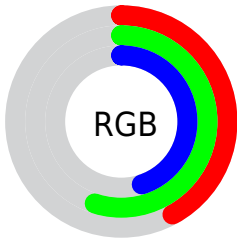
Format	Color
R_{YB}	106, 133, 141
Decimal	6983028
CIE _{Lab}	55.46, -17.60, 9.41
CIE _{LCh}	55, 19.957, 151.878
Y _{xy}	23.3749, 0.3001, 0.3767
Android (android.graphics.Color)	4285173108 (0xFF6A8D74)
YUV	127.6850, -5.7607, -19.0177
Hunter-Lab	48.3476, -15.8566, 9.2492

Details

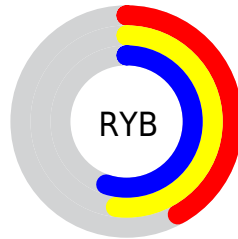
The Yxy color $23.3749, 0.3001, 0.3767$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $17.6106, 0.3282, 0.2856$, and the grayscale version is $21.4962, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.1265, 0.3032, 0.3661$, and $8.7991, 0.2948, 0.3972$ is the 20% darker color. If you saturate the color by 10%, you get $22.3600, 0.2954, 0.3996$, and if you desaturate by 10%, it is $24.5592, 0.3051, 0.3559$.

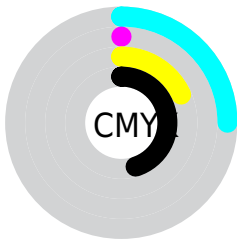
Distribution



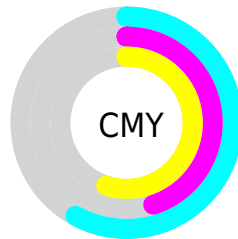
- Red (42%)
- Green (55%)
- Blue (45%)



- Red (42%)
- Yellow (52%)
- Blue (55%)



- Cyan (25%)
- Magenta (0%)
- Yellow (18%)
- Black (45%)





- Cyan (58%)
- Magenta (45%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3749, 0.3001, 0.3767 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 23.3749, 0.3001, 0.3767 by changing the saturation by 10% instead.


 23.3749, 0.3001,
0.3767


 23.3749, 0.3001,
0.3767


269.6448, 0.3075,
0.3494


 14.8706, 0.2978,
0.3850


 49.0082, 0.3031,
0.3657


 8.7286, 0.2944,
0.3969


 66.9059, 0.3041,
0.3620

 4.5646, 0.2890,
0.4150

 88.7036, 0.3050,
0.3589

 1.9941, 0.2794,
0.4462

 114.7856, 0.3057,
0.3563

 0.6041, 0.1930,
0.8070

145.5363, 0.3062,
0.3542

 0.0000, 0.0000,
0.0000

181.3402, 0.3067,

0.3523

222.5815, 0.3071,
0.3508

■ 23.3749, 0.3001,
0.3767

■ 23.3749, 0.3001,
0.3767

■ 22.3600, 0.2954,
0.3996

■ 24.5592, 0.3051,
0.3559

■ 21.5038, 0.2912,
0.4244

■ 25.9173, 0.3102,
0.3372

■ 20.7990, 0.2879,
0.4505

■ 27.4568, 0.3153,
0.3207

■ 20.2364, 0.2857,
0.4772

■ 29.1843, 0.3203,
0.3062

■ 19.8058, 0.2849,
0.5034

■ 31.1058, 0.3251,
0.2934

■ 19.4957, 0.2855,
0.5278

■ 33.2272, 0.3296,
0.2823

■ 19.2909, 0.2876,
0.5493

■ 35.5541, 0.3339,
0.2727

■ 19.2055, 0.2887,
0.5593

■ 38.0918, 0.3379,
0.2642

■ 40.8456, 0.3417,
0.2569

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.3749, 0.3351, 0.3914



23.3749, 0.3001, 0.3767



23.3749, 0.2696, 0.3468

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23.3749, 0.3001, 0.3767



23.3749, 0.2610, 0.2729



23.3749, 0.3785, 0.3391

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



23.3749, 0.3001, 0.3767



17.6106, 0.3282, 0.2856

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



23.3749, 0.3564, 0.3107



23.3749, 0.3001, 0.3767



23.3749, 0.2877, 0.2737

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



23.3749, 0.3001, 0.3767



23.3749, 0.2480, 0.2864



23.3749, 0.3226, 0.2873



23.3749, 0.3816, 0.3669

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



23.3749, 0.3001, 0.3767



23.3749, 0.2556, 0.3239



23.3749, 0.3226, 0.2873



23.3749, 0.3730, 0.3294

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



23.3759, 0.3001, 0.3767



45.8171, 0.3090, 0.3414



24.9232, 0.3373, 0.3910



10.2065, 0.3088, 0.3422



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.3759, 0.3001, 0.3767



40.7663, 0.2973, 0.3898



23.8198, 0.2841, 0.3430



6.0532, 0.3080, 0.3451



17.5139, 0.2885, 0.5587



0.1709, 0.2664, 0.4791

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



17.6106, 0.3282, 0.2856



28.5372, 0.3328, 0.2751



17.1775, 0.3519, 0.3156



5.4851, 0.3178, 0.3134



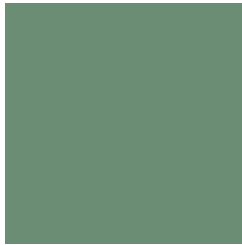
6.0176, 0.4066, 0.2014



0.0613, 0.3600, 0.1757

Previews

White Background



This preview shows how the Yxy color 23.3749, 0.3001, 0.3767 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 23.3749, 0.3001, 0.3767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

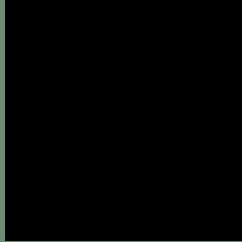
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.3749, 0.3001, 0.3767

Background



This preview shows how black text looks on a background with the Yxy color 23.3749, 0.3001, 0.3767.



This preview shows how white text looks on a background with the Yxy color 23.3749, 0.3001, 0.3767.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

23.3749, 0.3001, 0.3767

Protanopia

23.2478, 0.3442, 0.3638

Deuteranopia

23.2543, 0.3496, 0.3441



Tritanopia

23.4742, 0.2764, 0.3093

Trichromacy



Original Color

23.3749, 0.3001, 0.3767

Protanomaly

23.1094, 0.3279, 0.3688

Deuteranomaly

23.1514, 0.3300, 0.3555

Tritanomaly

23.2695, 0.2853, 0.3326

Monochromacy



Original Color

23.3749, 0.3001, 0.3767

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.2234, 0.3074, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3749, 0.3001, 0.3767 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(106, 141, 116)` looks like.

```
.text, #text, p{  
    color:rgb(106, 141, 116)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(106, 141, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 141, 116) }
```

Border

The CSS property to change the border of an element to Yxy 23.3749, 0.3001, 0.3767 is called "border". The border property can be set on classes, ids or directly on the HTML element.

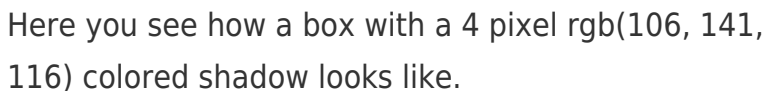
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 141, 116) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(106, 141, 116) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(106, 141, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 141, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 141, 116); box-shadow:4px 4px 4px 4px rgb(106, 141, 116) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3749, 0.3001, 0.3767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 141, 116) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(106,  
141, 116) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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